

Top 20 Chemicals with Largest TRI On-site and Off-site Disposal or Other Releases, 2002: Hazardous Waste/Solvent Recovery (SIC 7389/4953)

Top 25 Chemicals with Largest Off-site and On-site Disposal or Other Releases, 2002 Hazardous Waste/Slurry Residency Site (2002-2007)																	Total On-site and Off-site Disposal or Other Releases Pounds
CAS Number Chemical	On-site Disposal to Class I Underground Injection				On-site Disposal or Other Releases										Total On-site Disposal or Other Releases Pounds	Total Off-site Disposal or Other Releases Pounds	
	RCRA				Other On-site Disposal or Other Releases												
	Class I Wells Pounds	Subtitle C Landfills Pounds	Other On-site Landfills Pounds	Subtotal Pounds	Fugitive Air Emissions Pounds	Point Source Air Emissions Pounds	Surface Water Discharges Pounds	Class II-V Wells Pounds	Land Treatment Pounds	Surface Impoundment Pounds	Other Land Disposal Pounds	Subtotal Pounds					
7440-66-6 Zinc (fume or dust)	0	32,563,789	6,429	32,570,217	7,592	594	0	0	0	64	0	8,250	32,578,467	546,364	33,124,831		
-- Zinc compounds	247,124	19,642,971	80,257	19,970,351	1,655	4,355	1,148	0	0	250	0	7,408	19,977,760	6,575,504	26,553,264		
-- Lead compounds	10,004	10,567,014	49,067	10,626,085	2,878	7,226	60	0	0	1,986,003	0	1,996,166	12,622,252	9,866,951	22,489,203		
-- Chromium compounds	1,300,026	5,519,029	12,032	6,831,087	739	1,639	304	0	0	72,004	0	74,685	6,905,772	6,735,661	13,641,434		
7697-37-2 Nitric acid	7,600,000	85,995	0	7,685,995	849	2,939	0	0	0	0	0	3,788	7,689,783	271,137	7,960,921		
7429-90-5 Aluminum (fume or dust)	0	7,598,491	0	7,598,491	361	6	0	0	0	1	0	367	7,598,858	64,654	7,663,512		
-- Copper compounds	97,000	5,106,640	53,305	5,256,946	2,219	2,781	72	0	0	127,034	0	132,106	5,389,051	2,255,325	7,644,376		
7439-92-1 Lead	209	4,582,738	14	4,582,961	664	3,308	220	0	0	11	511	4,714	4,587,675	1,232,419	5,820,095		
7664-39-3 Hydrogen fluoride	5,300,000	36,400	0	5,336,400	27	730	0	0	0	0	0	757	5,337,157	104,228	5,441,385		
1332-21-4 Asbestos (friable)	0	5,006,389	62,520	5,068,909	68	1	0	0	0	0	0	69	5,068,978	0	5,068,978		
-- Nickel compounds	260,064	1,840,685	43,411	2,144,160	579	3,591	345	0	0	27,006	0	31,520	2,175,681	1,883,520	4,059,201		
7439-96-5 Manganese	0	3,766,979	0	3,766,979	283	257	0	0	0	0	0	540	3,767,519	122,182	3,889,701		
-- Manganese compounds	40,000	3,132,533	24,437	3,196,970	258	1,633	66	0	0	0	0	1,958	3,198,928	536,590	3,735,518		
-- Barium compounds	0	1,796,570	73,195	1,869,764	380	4,196	255	0	0	52,000	0	56,831	1,926,596	646,809	2,573,405		
7440-02-0 Nickel	0	600,285	0	600,285	73	94	229	0	0	250	0	647	600,931	1,855,492	2,456,424		
7440-50-8 Copper	0	1,127,066	40	1,127,106	94	560	359	0	0	250	0	1,264	1,128,369	1,032,148	2,160,517		
-- Cadmium compounds	433	1,012,770	0	1,013,203	38	3,910	27	0	0	0	0	3,975	1,017,178	1,137,421	2,154,598		
1336-36-3 Polychlorinated biphenyls (PCBs)	0	1,156,599	86,364	1,242,963	5,033	3	0	0	0	1	0	5,037	1,247,999	674,617	1,922,617		
7440-47-3 Chromium	26,874	846,441	0	873,315	326	11	5	0	0	250	0	592	873,907	946,024	1,819,931		
107-21-1 Ethylene glycol	140,000	471,906	0	611,906	6,263	4,200	3	0	0	0	0	10,466	622,371	1,071,612	1,693,983		

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at [www.epa.gov/tri/tridata/index.htm#pdr](http://www.epa.gov/tri/tridata/index.htm#pdr).

On-site Disposal or Other Releases include Underground Injection to Class I Wells (Section 5.4.1), RCRA Subtitle C Landfills (5.5.1A), Other Landfills (5.5.1B), Fugitive or Non-point Air Emissions (5.1), Stack or Point Air Emissions (5.2), Surface Water Discharges (5.3), Class II-V Wells (5.4.2), Land Treatment (5.5.2), Surface Impoundments (5.5.3) and Other Land Disposal (5.5.4). Off-site Disposal or Other Releases include from Section 6.2 Underground Injection (M71), RCRA Subtitle C Landfills (M65), Other Landfills (M64, M72), Storage Only (M10), Solidification/Stabilization - Metals and Metal Category Compounds only (M41 or M40), Wastewater Treatment (excluding POTWs) - Metals and Metal Category Compounds only (M62 or M61), Surface Impoundments (M63), Land Treatment (M73), Other Land Disposal (M79), Other Off-site Management (M90), Transfers to Waste Broker - Disposal (M94, M91), and Unknown (M99) and, from Section 6.1 Transfers to POTWs (metals and metal category compounds only).

Does not include Off-site Disposal or Other Releases transferred to other TRI facilities that reported the amounts as on-site disposal or other releases.

Facilities/forms are included in the manufacturing industry categories (SIC Codes 20-39) if they did not report a SIC code in the other industries. Forms that reported more than one 2-digit SIC code within the range 20 to 39 are assigned to the "multiple codes" category. Facilities/forms are included in the other industry categories if the facility/form has a SIC code in the other industries and no SIC code in 20-39. If the facility reported in any year prior to 1998 and the facility/form has a combination of manufacturing and other industry SIC codes, then the facility/form is included in the manufacturing industry category. If the facility reported for the first time in 1998 or later and the facility/form has a combination of manufacturing and other industry SIC codes, then the facility/form is included in the other industry category. Forms with no 2-digit SIC code are included in the "no codes" category. One facility, Phelps Dodge Miami of Claypool, AZ, that reported under SIC code 33 and SIC code 10 in 2002 and previous years have been included in SIC code 10 for the purpose of this analysis.